

# AIR POLLUTANT EMISSION NOTICE (APEN) & Application for Construction Permit – Natural Gas Venting

Permit Number: \_\_\_\_\_

[Leave blank unless APCD has already assigned a permit # & AIRS ID]

Emission Source AIRS ID: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Facility Equipment ID: \_\_\_\_\_ [Provide Facility Equipment ID to identify how this equipment is referenced within your organization.]

## Section 01 – Administrative Information

Company Name: \_\_\_\_\_ NAICS, or  
Source Name: \_\_\_\_\_ SIC Code: \_\_\_\_\_  
Source Location: \_\_\_\_\_ County: \_\_\_\_\_  
Elevation: \_\_\_\_\_ Feet  
Mailing Address: \_\_\_\_\_  
ZIP Code: \_\_\_\_\_

Person To Contact: \_\_\_\_\_ Phone Number: \_\_\_\_\_  
E-mail Address: \_\_\_\_\_ Fax Number: \_\_\_\_\_

## Section 03 – General Information

For existing sources, operation began on: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Normal Hours of Source Operation: \_\_\_\_\_ hours/day \_\_\_\_\_ days/week \_\_\_\_\_ weeks/year

General description of equipment and purpose: \_\_\_\_\_

Will this equipment be operated in any NAAQS nonattainment area?  
(<http://www.colorado.gov/cdphe/attainment>) ☐ Yes ☐ No ☐ Don't know

## Section 04 – Processing Equipment Information

Description of Source<sup>1</sup>:

- ☐ Well Head Casing  
☐ Gas/Liquid Separator  
☐ Pneumatic Pump: Make: \_\_\_\_\_ Model: \_\_\_\_\_ Serial #: \_\_\_\_\_ Capacity: \_\_\_\_\_ gal./min.  
☐ Compressor Rod Packing Make: \_\_\_\_\_ Model: \_\_\_\_\_ # of pistons: \_\_\_\_\_ Leak rate: \_\_\_\_\_ Scf/hr/pist.  
☐ Blowdowns: # of events: \_\_\_\_\_ Volume: \_\_\_\_\_ MMscf/event

Description: \_\_\_\_\_

☐ Other: \_\_\_\_\_

	Maximum Vent Rate (scf/hr)	Actual Volume (MMscf/yr)	Requested Volume <sup>2</sup> (MMscf/yr)	Vent Gas Heating Value (Btu/scf)			
Process Parameters:							
	Molecular Wt.	VOC (mole %)	Benzene (mole %)	Toulene (mole %)	Ethylbenzene (mole %)	Xylene (mole %)	n-Hexane (mole %)
Vented Gas Properties:							

☐ Submit a representative gas analysis (including BTEX & n-Hexane) to support calculations

<sup>1</sup>Only one source type may be reported per APEN.

<sup>2</sup>Requested values will become permit limitations. Requested level shall be a "not to exceed value".

## Section 02 – Requested Action (check applicable request boxes)

- ☐ Request for NEW permit or newly reported emission source  
☐ Request MODIFICATION to existing permit (check each box below that applies)  
☐ Change fuel or equipment ☐ Change company name  
☐ Change permit limit ☐ Transfer of ownership ☐ Other  
☐ Request to limit HAPs with a Federally enforceable limit on PTE  
☐ Request APEN update only (check the box below that applies)  
☐ Revision to actual calendar year emissions for emission inventory  
☐ Update 5-Year APEN term without change to permit limits or previously reported emissions

Additional  
Info. &  
Notes: \_\_\_\_\_

For new or reconstructed sources, the projected startup date is: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

### Colorado Department of Public Health and Environment Air Pollution Control Division (APCD)

This notice is valid for five (5) years. Submit a revised APEN prior to expiration of five-year term, or when a significant change is made (increase production, new equipment, change in fuel type, etc).

**Mail this form along with a check for \$152.90 to:**  
**Colorado Department of Public Health & Environment**  
**APCD-SS-B1**  
**4300 Cherry Creek Drive South**  
**Denver, CO 80246-1530**

For guidance on how to complete this APEN form:

Air Pollution Control Division: (303) 692-3150  
Small Business Assistance Program (SBAP): (303) 692-3148 or  
(303) 692-3175

APEN forms:<http://www.colorado.gov/cdphe/oilgaspermits>

Application status:<http://www.colorado.gov/cdphe/permitstatus>

- ☐ Check box to request copy of draft permit prior to issuance.  
☐ Check box to request copy of draft permit prior to public notice.

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## Section 05 – Stack Information (Combustion stacks must be listed here)

Operator Stack ID No.	Stack Base Elevation (feet)	Stack Discharge Height Above Ground Level (feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)	Moisture (%)

Direction of stack outlet (**check one**): ☐ Vertical ☐ Vertical with obstructing raincap ☐ Horizontal ☐ Down ☐ Other (Describe): \_\_\_\_\_

Exhaust Opening Shape & Size (**check one**): ☐ Circular: Inner Diameter (inches) = \_\_\_\_\_ ☐ Other: Length (inches) = \_\_\_\_\_ Width (inches) = \_\_\_\_\_

## Section 07 – Control Device Information

<input type="checkbox"/> <b>VRU</b> used for control of: _____ Size: _____ Make/Model: _____ Requested VOC & HAP Control Efficiency: _____ % Annual time that VRU is bypassed (emissions vented): _____ % The VRU recycles venting emissions to: _____	<input type="checkbox"/> <b>Combustion Device</b> used for control of: _____ Rating: _____ MMBtu/hr Type: _____ Make/Model/Serial #: _____ VOC & HAP Control Efficiency: Requested: _____ % Manufacturer Guaranteed: _____ % Minimum temp. to achieve requested control: _____ °F Waste gas heat content: _____ Btu/scf Constant pilot light? <input type="checkbox"/> Yes <input type="checkbox"/> No Pilot burner rating: _____ MMBtu/hr
<input type="checkbox"/> Describe Any <b>Other</b> : _____	

## Section 08 – Emissions Inventory Information & Emission Control Information

Attach any emission calculations and emission factor documentation to this APEN form.

☐ **Emission Factor Documentation attached** Data year for actual calendar yr. emissions below & throughput above (e.g. 2007): \_\_\_\_\_

Pollutant	Control Device Description		Overall Collection Efficiency	Control Efficiency (% Reduction)	Emission Factor		Actual Calendar Year Emissions <sup>3</sup>		Requested Permitted Emissions <sup>4</sup>		Estimation Method or Emission Factor Source
	Primary	Secondary			Uncontrolled Basis	Units	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	Uncontrolled (Tons/Year)	Controlled (Tons/Year)	
VOC											
NO <sub>x</sub>											
CO											
SO <sub>x</sub>											
Benzene											
Toulene											
Ethylbenzene											
Xylene											
n-Hexane											

**Please use the APCD Non-Criteria Reportable Air Pollutant Addendum form to report pollutants not listed above.**

<sup>3</sup> Annual emission fees will be based on actual emissions reported here. If left blank, annual emission fees will be based on requested emissions.

<sup>4</sup> If Requested Permitted Emissions is left blank, the APCD will calculate emissions based on the information supplied in sections 03 - 07.

## Section 09 –Applicant Certification - I hereby certify that all information contained herein and information submitted with this application is complete, true and correct.

Signature of Person Legally Authorized to Supply Data

Date

Name of Legally Authorized Person (Please print)

Title